

Department of Energy
Yucca Mountain Project Procurement Notice

Based on the Department of Energy's (DOE) plans and requirements, the DOE has selected a path forward to procure the services needed to design and construct the Yucca Mountain geologic repository for receipt and possession of spent nuclear fuel (SNF) and high level radioactive waste (HLW). The following competitive procurements are contemplated:

Management & Operating (M&O) Contract - The selected firm would:

- Support the DOE in the Nuclear Regulatory Commission's (NRC) Yucca Mountain licensing proceedings.
- Provide detailed design of nuclear and associated non-nuclear facilities and preclosure safety analysis for the entire geologic repository in preparation for construction, including subcontracts for detailed design and fabrication of major pieces of specialty equipment and major components.
- Provide project/construction management, construction support, site operations, technical expertise, safety analysis, and support staff.
- Support the DOE in the preparation of the bid packages for the Fixed-Price Construction Contracts discussed below.

Multiple Fixed-Price Construction Contracts - These will consist of competitive contract awards for the construction of the nuclear and associated non-nuclear facilities and tunnel excavation for the subsurface facilities required for the geologic repository. Construction contracts for the key nuclear facilities will include a design review phase that will overlap the design completion schedule, to involve the construction contractor in final constructability, value engineering and final design detail reviews. There will also be an operations contractor to perform design review from an operational perspective. The selected construction firms would:

- Construct nuclear and associated non-nuclear facilities in compliance with NRC regulations. These facilities will include six major nuclear facilities and numerous non-nuclear support facilities.
- Construct subsurface (tunnel) facilities.
- Construct site infrastructure support facilities. Many of these facilities are standard industry construction projects (i.e., warehouses, shops, and utility facilities), which will be awarded as fixed-price contracts with a preference to Small Businesses. These projects may also be awarded as design-build contracts.

Department of Energy
Nevada Rail Line Project Procurement Notice

The Department of Energy (DOE) issued a FedBizOpps Request for Information on June 28, 2007 (Synopsis: DE-RP28-07RW12998 – Approach to Procure Rail Services or Procure the Design and Construction of a Railroad in Nevada). During the month of September 2007, several entities made presentations to DOE in response to the above Request for Information (Sources Sought Notice).

Based on the Department of Energy's plans and requirements and the information gathered from these discussions, the DOE has selected a current path forward to procure the services needed to design and construct a rail line. The following two competitive procurements are contemplated:

An Agency Construction Manager Award - The selected firm will:

- Provide the technical expertise and support staff.
- Perform geotechnical and surface water characterization.
- Advance the Nevada Rail Line design to about 30% to reduce risk for a unit price constructor bid.
- Develop conceptual designs (~30% design) for related transportation facilities along the Nevada Rail Line.
- Support the DOE in the preparation of the bid package for Contractor-Led Design-Build Contract that is discussed below.
- Support the DOE in performing Quality Control and Safety activities during construction.
- Support the DOE in verifying and approving the partial payments during construction.
- Support the DOE in developing permitting plans and permit applications for work on the Nevada Rail Line.
- Perform systems engineering and operations studies for transportation planning, including operation of the Nevada Rail Line.
- Further the transportation system requirements for construction and operations.
- Perform technical analyses of how various other elements of the transportation system will affect rail design and operations.
- Develop pilot projects and demonstration exercises to address public concerns about the ability of a spent nuclear fuel transportation system to operate safely and securely.

Multiple Contractor Led Design-Build Contracts - These will consist of multiple awards for the final design and construction of the rail line.

- Four to eight roadbed construction contracts would be placed for the bridges, culverts, embankments and everything else necessary to place the ballast, ties and rail steel.
- A contract would be placed for the signaling and the placement of the ballast, ties and steel for the entire line.

This notice is not a solicitation for proposals. This website will be updated as details for the procurements become available.